

a1  
Figure 6A shows an overall scheme of the electroporation assembly. A pipette having a first electrode disposed therein is shown inserted into a target cell. A second electrode is visible next to the specimen. Both the first and second electrodes are connected to wire leads which in turn are connected to a voltage stimulator. An oscilloscope which measures current, is shown to the right of the voltage stimulator.

Figure 6B shows a close-up of the electroporation assembly being used for single-cell electroporation into an intact tadpole brain.

---

**IN THE DRAWINGS:**

Please insert Figures 5, 6A, and 6B submitted herewith, into the application.

**IN THE CLAIMS:**

Please substitute the following amended Claims 1 and 9 for the presently pending Claims 1 and 9:

a2  
~~1. (Amended) An electroporation assembly comprising:  
a singular container having a distal opening, the container configured to receive a  
conductive fluid including a substance;  
a first electrode having at least a portion configured to be disposed within the container  
and in direct electrical communication with the conductive fluid; and  
a second electrode positioned in proximity to the distal opening for creating an electric  
field between the electrodes.~~

a3  
~~9. (Amended) A method for delivering a substance into a cell said method comprising:  
providing a singular container having a distal opening;  
placing a conductive fluid including a substance in the container;~~